



NAVSEA

WARFARE CENTERS

Indian Head EOD Technology Division

NAVAL SURFACE WARFARE CENTER

INDIAN HEAD EXPLOSIVE ORDNANCE DISPOSAL TECHNOLOGY DIVISION

Aircrew Flight Equipment (AFE)

25 June 2018



FLU-9 Automatic Inflation Device



➤ Issue:

- ❖ Contract award delay due to no bid delaying production and deliveries; components late to need

➤ Cause:

- ❖ Contractor A has no-bid solicitations; contractor B first submittal of cost data delaying contract award and replacement component deliveries

➤ Impact:

- ❖ Internal informal hazard risk analysis was conducted to determine risk associated with continued use of FLU-9B/P Inflators beyond their currently assigned shelf/service life of five years
- ❖ Temporary life extensions supportable up to 24 months beyond original expiration to accommodate delivery of replacement components and installation
- ❖ Approximately 2,500 USAF and FMS assets on temporary life extension
- ❖ Maintenance time change interval requirements cannot be supported

➤ Get Well:

- ❖ Urgent Aging and Surveillance conducted at Indian Head – awaiting results
 - Positive results could result in increased service life, mitigating stock shortages
- ❖ FY16 & FY17 Requirements - 5,147 ea. (deliveries begin Sep 19)
- ❖ FY18 Requirements - 2,588 ea. (estimated contract award date Oct 18)

Universal Water Activated Release System (UWARS)



➤ Issue:

- ❖ Production and deliveries delays; components late to need

➤ Cause:

- ❖ Contractor's proprietary explosive powder cannot support full contract, a delta-qualification will be required to complete production using new powder vendor
 - Explosive powder vendor identified and sample powder supplied to contractor for test and qualification; delta-qualification process started

➤ Impact:

- ❖ Temporary life extensions supportable up to 24 months beyond original expiration to accommodate delivery of replacement components and installation
- ❖ Approximately 600 FMS assets on temporary life extension
- ❖ Continuing to have only one UWARS supplier, vendor may not be able support the need rate and prices will continue to increase

➤ Get Well:

- ❖ Continue toward qualifying UWARS production second source
 - Working toward a completed and approved UWARS specification
- ❖ FY15/16/17 Requirements - 2,139 ea. (deliveries begin April 19)

UWARS Battery Replacement Kit (BRK)



➤ Issue:

- ❖ Develop a custom battery to replace the current Commercial Off-The-Shelf (COTS) battery utilized in the current sole source vendor design to increase battery life and reliability

➤ Cause:

- ❖ Impedance issues with COTS batteries delaying replacement battery kits
- ❖ Currently two authorized manufacturers

➤ Impact:

- ❖ Current batteries require extensive screening to meet impedance and voltage requirements
- ❖ Temporary life extensions supportable up to 24 months beyond original expiration as long as UWARS pass Built In Test (BIT)
- ❖ Approximately 2000 FMS assets on temporary life extension

➤ Get Well:

- ❖ FY16/17 Requirements - 1,434 ea. (deliveries begin December 18)
- ❖ FY18 Requirements - 2,253 ea. (deliveries begin December 19)